

CAP 15:1 Prophy PMP 10:1 Prophy

ENG Instruction

REF 2100050-ENG/05.08



for 10 to 15 seconds to circulate lubricant and remove excess.

Environment

Temperature between -40°C (-40°F) and 70°C (158°F), relative humidity between 10% and 100%, atmospheric pressure 50 kPa to 106 kPa (7.3 to 15.3 psi).

Information

The technical specifications, illustrations and dimensions contained in these instructions are given only as a guide. They may not be the subject of any claim. The manufacturer reserves the right to make technical improvements to its equipment, without amending these instructions. The French original of this text conforms to the legal standards. For all additional information, please contact Bien-Air at the address indicated on the reverse.

General information

The device must be used by a competent person in accordance with the current legal provisions concerning industrial safety, health and accident prevention regulations, and these working instructions. In accordance with these requirements, the operators:

- must only use operating devices that are in perfect working order; in the event of irregular functioning, excessive vibration, abnormal heating or other signs indicating malfunction of the device, the work must be stopped immediately; in this case, contact a repair centre that is approved by Bien-Air;
- must ensure that the device is used only for the purpose for which it is intended, must protect themselves, their patients and third parties from any danger, and must avoid contamination through the use of the product.

The device is intended for medical treatment only; any use other than that for which this product is intended is unauthorised and may be dangerous. The medical device meets all the current European legal requirements.

Excess material from products used for maintenance (lubricants, cleaning products and disinfectants) originating from CA or PM may penetrate into the electric brush motor and interfere with its functioning. It is essential to follow the maintenance instructions accompanying each product. Never lubricate the electric brush motor.

Recommendations

Adhere to the Instructions for Use, in accordance with the instructions of the tool manufacturer. Never use a tool with an incorrect rod, as there is a risk of this becoming detached during the treatment and causing injury to you yourself, to your patient and to third parties.

Rest the device on a suitable support to avoid risks of infection for yourself, the patient or third parties.

Only use maintenance products and components from Bien-Air. The use of other products and components can void the guarantee.

Guarantee

Terms of guarantee

Bien-Air grants the operator a guarantee covering all functional defects, material or production faults.

The device is covered by this guarantee for 12 months from the date of invoicing.

In the event of justified claims, Bien-Air or its authorised representative will fulfil the company's obligations under this guarantee by repairing or replacing the product free of charge. Any other claims, of whatever nature, in particular in the form of a claim for damages and interest, are excluded.

Bien-Air shall not be held responsible for damage or injury and the consequences thereof, resulting from:

- excessive wear and tear

English

Fully Swiss-manufactured devices.

Type

Dental contra-angle and handpiece, with internal spray.

Description CAP 15:1 Prophy

Contra-angle without light, for interchangeable cups.

Description PMP 10:1 Prophy

Handpiece without light, for interchangeable heads.

Planned use

Product intended for professional use only. Use in dentistry for prophylaxis work.

Technical data and assembly

Classification

Class IIa in accordance with European Directive 93/42/CE in accordance with medical directives.

Type of coupling

The most commonly used coupling in the world as per ISO Standard 3964.

Drive

The instrument can be coupled to an air-driven or electric micromotor.

Dimensions

CAP 15:1 Ø 19.6 mm (0.77 in)
total length 88.5 mm (3.5 in)

PMP 10:1 Ø 19.6 mm (0.77 in)
total length without head 68 mm (2.68 in)

Possible input value

Up to 40 000 rpm

Recommended working speed

400 to 600 rpm

Transmission ratio

CAP 15:1 15:1 reduction

PMP 10:1 10:1 reduction

Cup, brush

With screw type M1.8 or clip type M1.8

Head for PMP 10:1

Doriot type head, disposable straight and angled

Fitting the screw cup fig. 1

Disassembling the screw cup

Leave the CAP on the motor fig. 2

Fitting the clip cup fig. 3 and 5

Disassembling the clip cup

Leave the CAP on the motor fig. 4-5

Fitting the head

Only for PMP 10:1 fig. 6

Disassembling the head

Only for PMP 10:1 fig. 7

Important

Never mount an instrument on a rotating motor.

Maintenance

Separately clean, lubricate and sterilise the device before the treatment of each patient.

Only use maintenance products and components from Bien-Air. The use of other products and components can void the guarantee.

The instrument is delivered "non sterile". Before first use, lubricate and sterilize the instrument. Please comply with these instructions.

Check that the steriliser and the water that is used are clean. After each sterilisation cycle, remove the device from the sterilizing apparatus immediately, in order to reduce the risk of corrosion.

Overhaul

Never disassemble the device. For all modifications and repairs, we recommend that you contact your regular supplier or Bien-Air direct. Bien-Air asks the user to have its dynamic instruments checked or inspected at least once a year thereafter.

Cleaning

Use Spraynet cleaner from Bien-Air fig. 8. Spray the inside and outside of the equipment to remove the residues and carefully clean the surfaces.

Disinfection

Disinfect using a clean cloth soaked in a suitable product. Products containing acetone, chlorine and bleach are not recommended as disinfectants.

Never immerse in disinfectant solutions.

Not suitable for ultrasonic bath.

Before sterilisation

Remove residue, carefully clean the device. Lubricate instrument.

Lubrication

Only use Lubrifluid spray.

- Remove tool from instrument gripper before lubrication
- Place the instrument in a cloth so as to catch the debris and foreign matter expelled by the atomizer jet.
- Remove the protective cap and insert the nozzle into the back of the instrument sleeve.
- Spray for about 1 second fig. 9.

Sterilisation

Process: Steam autoclave up to 134°C (273°F). The required time for sterilisation of our products must comply with the prevailing local regulations for this type of instrument.

Important

After lubrication, always place the instrument with the head downwards in order to allow the lubricant to spread well through the whole mechanism and to prevent any infiltration of the oil into the micromotor when the instrument is attached to it.

Important

After cleaning and disinfecting/sterilizing the instrument and before using it, operate at moderate speed, with a bur in the chuck,



fig. 1

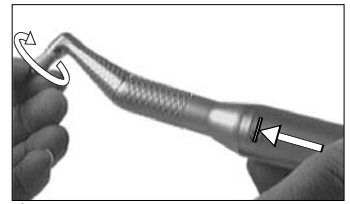


fig. 2

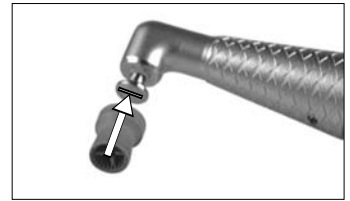


fig. 3

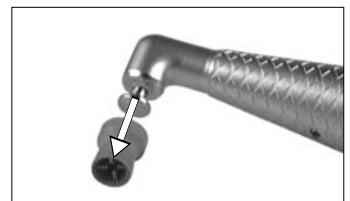


fig. 4

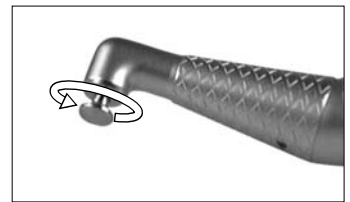


fig. 5

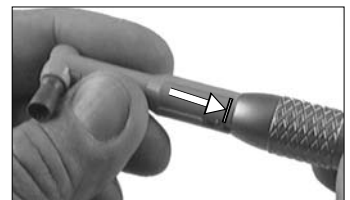


fig. 6



fig. 7

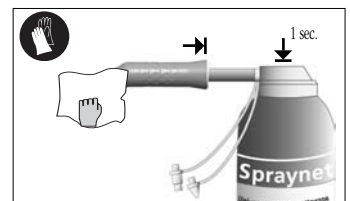


fig. 8

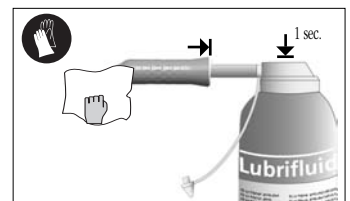


fig. 9

- improper use
- non-observance of the instructions for installation, operation and maintenance
- unusual chemical, electrical or electrolytic influences
- poor connections, whether of the air, water or electricity supply.

The guarantee does not cover flexible "fibre optic" type conductors, or any parts made of synthetic materials.

The guarantee shall become null and void if the damage and its consequences are due to improper manipulation of the product, or modifications to the product carried out by persons not authorised by Bien-Air.

Claims under the terms of the guarantee will be considered only on presentation, together with the product, of the invoice or the consignment note, on which the date of purchase, the product reference and the Serial No. should be clearly indicated.

REF	Legend
1600289-001	Handpiece PMP 10:1 Prophy without light and without spray, with 10x reducer, for standard disposable heads. Set comprising: • 1 PMP 10:1 Prophy • 2 straight heads
1600290-001	Contra-angle CAP 15:1 Prophy, without light and without spray, 15x reducer, interchangeable cups: clip-on or screw Set comprising: • 1 CAP 15:1 Prophy • 5 screw cups • 5 clip-on cups
1100056-100	Interchangeable heads for PMP 10:1 Set comprises 100 straight heads
1302631-010	Clip cup support
107.60.03	Screwdriver
107.60.05	Key for nut
1600064-006	Lubrifiuid, lubricant 500 ml, box of 6 cans
1600036-006	Spraynet, cleaning spray 500 ml, box of 6 cans

List of Bien-Air registered trade mark products ®:

Aquilon®	Gyro®	Lubrime®
Bora®	Gyrolina®	MX®
Boralina®	Isolite®	Prestilina®
Eolia®	Lubrifiuid®	Spraynet®

In these instructions, "Device" corresponds to the product described in the heading "Type". For example, turbine, contra-angle, handpiece, micromotor, tube, electronics, connectors, station etc.

Symboles



Wear rubber gloves



Move in the direction indicated



CE Marking with number of the notified body



Move fully to the stop, in the direction indicated

This product may be covered by one or more of the following patents:

EP Europe: 0 497 139 / 0 526 783 / 0 745 358 / 0 688 539 / 0 894 879 / 1 145 688 / 1 109 301 **DE Germany:** 296 16 023.7
DK Denmark: 96 00315 **FR France:** 2 679 804 / 2 722 972 / 2 733 680 / 2 692 621 / 2 720 263 / 2 757 763 / 2 766 697 / 2 781 318
CH Switzerland: 693 922 **CN China:** 129343 **JP Japan:** 2 037 611 / 1 991 770 **US United-States:** 5.059.122 / 4.773.856 / 6.033.220 / 6.337.554 / 5.453.008 / 6.319.003 / 6.495.937

REF 1600290-001 CAP 15:1 PROPHY / REF 1600289-001 PM 10:1 PROPHY

Set supplied

CAP 15:1 Prophy
REF 1600290-001



PMP 10:1 Prophy
REF 1600289-001



Optional accessories



REF 1302631-010



REF 1100056-100



REF 1600036-006



REF 1600064-006

Bien-Air Dental SA

Länggasse 60
Case postale 6008
2500 Bienne 6, Switzerland
Tel. +41 (0)32 344 64 64
Fax +41 (0)32 344 64 91
office@bienair.com

Bien-Air Deutschland GmbH

Jechtinger Strasse 11
79111 Freiburg, Deutschland
Tel. +49 (0)761 45 57 40
Fax +49 (0)761 47 28
ba-d@bienair.com

Bien-Air España SA

Entença, 169 Bajos
08029 Barcelona, España
Tel. +34 934 25 30 40
Fax +34 934 23 98 60
ba-e@bienair.com

Bien-Air USA, Inc.

Medical Technologies
5 Corporate Park
Suite 160
Irvine, CA 92606 USA
Phone 1-800-433-BIEN
Phone 949-477-6050
Fax 949-477-6051
ba-usa@bienair.com

Bien-Air France Sarl

131, Boulevard Péreire
75017 Paris, France
Tel. +33 (0)1 47 64 13 49
Fax +33 (0)1 40 54 91 43
ba-f@bienair.com

Bien-Air Italia s.r.l.

Via Vaina 3
20122 Milano, Italia
Tel. +39 (02) 58 32 12 51/52/54
Fax +39 (02) 58 32 12 53
ba-i@bienair.com

Bien-Air UK Limited

63, The Street Chapel,
Surrey RH5 5JZ, England
Tel. +44 (0)1306 711 303
+44 (0)1306 712 505
Fax +44 (0)1306 711 444
ba-uk@bienair.com

Bien-Air Asia Ltd.

Nishi-Ikebukuro
Daiichi-Seimei Bldg. 10F
2-40-12 Ikebukuro, Toshimaku
Tokyo, 171-0014, Japan
ビエン・エア・アジア株式会社
〒171-0014
東京都豊島区池袋2-40-12
西池袋第一生命ビルディング10F
Tel. +81 (3) 5954-7661
Fax +81 (3) 5954-7660
ba-asia@bienair.com

Beijing Bien-Air

Medical Instruments
Technology Service Co. Ltd.
Room 2106,
The Exchange Beijing
Yi 118 Jianguo Road
Chaoyang District
Beijing 100022, China
北京彼岸医疗器械
技术服务有限公司
北京市朝阳区建国路
乙118号招商局中心
京汇大厦2106室
Tel. +86 10 6567 0651
Fax +86 10 6567 8047
ba-beijing@bienair.com